

CONTRACT AMENDMENT

Rush

GIS

70G1509

Auditor

[Signature]

(11)

INTRODUCTION

This document is an amendment to the contract between Rush County, Indiana, and The Sidwell Company, dated December 17, 2001, for Professional Aerial Photography, Digital Orthophotography and GIS Services.

OVERVIEW

Rush County, Indiana entered into a contract in December 2001 with The Sidwell Company for research, design, and development of a contiguous digital cadastral-based geographic information system. Services include aerial photography, digital orthophotography, cadastral data compilation and database production, topological data structuring, new permanent parcel numbering, GIS integration with the tax cycle system, plotting routines, training and technical support services.

Cadastral data compilation has been completed and a full land parcel database was delivered to Rush County in May 2004, well ahead of schedule. Three contract amendments have been signed for additional GIS services: an E911 mapping system which has been completed, mapping of flood and zoning areas which is in production, a FARMS™ project which will utilize GIS land parcels along with soils and agricultural land use polygons to support the assessment of agricultural land.

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PURPOSE

The purpose of this contract amendment is to provide professional GIS services to migrate the GIS project which is currently in Microstation Geographics format to an ESRI personal Geodatabase format. ESRI (Environmental Systems Research Institute), established in 1969, is the market leader for GIS software worldwide. ESRI software is the chosen platform for GIS for departments and agencies of The State of Indiana as well as many counties in Indiana.

Rush County has continued to develop the GIS project by adding new layers of data to serve many offices including the Auditor, Sheriff, Planning, Surveyor, and Assessor. The body of work has grown to the point where migration to a Geodatabase format is warranted and advised. The Geodatabase will allow county GIS users to store, maintain, manage, and analyze GIS data all within the same format and use ESRI ArcGIS products such as ArcEditor and ArcView for database maintenance and analysis. The Geodatabase format will enable Rush County to more easily incorporate ESRI formatted data sets from local, state and federal agencies, such as IDEM data or census data, into their GIS project.

ESRI GEODATABASE FORMAT

The Geodatabase format was first introduced with the ArcGIS 8.0 suite of products in Autumn 2000. A Geodatabase is a storage format and a container for all GIS project data. Map graphics and tabular data are both stored together as tables in the same database. The Geodatabase utilizes commercially available database products. The Geodatabase comes in two flavors: personal and enterprise. The personal Geodatabase uses a Microsoft Access Database, is suitable for a county with a parcel count of less than 35,000 parcels, and supports single-user editing. The enterprise Geodatabase utilizes a database product such as Microsoft SQL or Oracle and ArcSDE software from ESRI. It enhances data management and security, supports multiple, concurrent editing sessions, provides versioning of the database, and is suitable for counties with a parcel count of greater than 35,000 parcels.

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The Geodatabase supports an object-oriented vector data model where entities are represented as objects with various tables containing properties, behavior, and relationships. Support for a variety of different geographic object types is built into the system. Geodatabase feature classes each contain one geometric feature type such as points, lines, polygons, or annotation features. Related feature classes can be organized into feature datasets. Feature datasets are useful for organizing feature classes thematically or with a shared topology.

Since the time when ArcGIS 8.0 was first introduced, the Geodatabase format and software products have matured and have been adopted by many counties throughout the Midwest. With the introduction of Parcel Editor in September 2002, new GIS parcel maintenance products became available.

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SOFTWARE VERSIONS

Now the latest ArcGIS version 9.0 is entering the marketplace. With this latest version, Sidwell is developing and plans to release updated parcel maintenance tools in September 2004; our GIS Parcel Builder™ Suite. Sidwell's Parcel Builder™ Suite incorporates 15 additional maintenance tools much like the tools that Rush County has been using with Microstation Geographics. Sidwell's Parcel Builder™ Suite includes Parcel Builder - MapEditor™ for parcel map maintenance, Parcel Builder - Administrator™ for parcel number maintenance and live integration with CAMA software packages, and Parcel Builder - MapPlotter™ for creating and plotting high quality cadastral maps.

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SCOPE OF SERVICES

Sidwell Responsibilities

The Sidwell Company will be responsible to provide the following professional GIS services and deliveries to Rush County:

- Design and documentation of a GIS tagged data model for a Rush County personal Geodatabase.
- Migration of the Microstation Geographics GIS project to the ESRI personal Geodatabase format.
- Edge matching and seam cleanup of GIS parcel map base.
- Creation of grid indexes for standard format map plotting purposes.
- Prepare data for production of new subdivision indexes and new township maps.
- Provide 1 license of Sidwell's Parcel Builder™ software.
- Installation of Geodatabase, ESRI software, and Sidwell Parcel Builder™ Suite.
- Training on ESRI ArcEditor, Sidwell Parcel Builder™ software, map editing, map maintenance workflow, and map plotting. (All training hours remaining from the original GIS services contract will be used.)
- Project management and technical support.
- Training on Sidwell Parcel Builder Administrator™ for parcel number maintenance. (4 hours, on site)

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Rush County Responsibilities

Rush County will be responsible for the following:

- Provide the most current Microstation Geographics parcel map data to Sidwell.
- Swap the Microstation Geographics license for one ESRI ArcEditor concurrent use license through the ESRI St. Louis office per quotation #20168587. ESRI quotation is enclosed.
- Place the ArcEditor license under maintenance with the ESRI St. Louis office per quotation #20168587.

PROJECT TIMELINE AND PRICE

Migration of the Rush County GIS project from the Microstation Geographics format to the ESRI personal Geodatabase format will take about 4 to 6 months following contract execution.

Rush County personal Geodatabase migration project \$ 20,010

Additional Training Options

Training, in addition to the amount already stipulated in this contract amendment, will be provided by Sidwell in three (3) day increments, if requested by Rush County. If you choose more training, please initial in one of the boxes below to indicate if you request 3, 6, or 9 more days of training at Rush County or at The Sidwell Company offices. The price for this additional training will be added to the above price for the Geodatabase migration project.

Training at Rush County

\$4,805 for 3 days []

\$9,610 for 6 days []

\$14,415 for 9 days []

Training at Sidwell Offices

\$3,520 for 3 days []

\$7,040 for 6 days []

\$10,560 for 9 days []

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INVOICING POLICY

The services performed for this project will be invoiced as project components are completed. The Project Managers will agree to final invoicing terms in writing, once the project commences. Each invoice submitted will be accompanied by supporting documentation and will be payable after January 1, 2005.

This Contract Amendment as heretofore described and governed by the laws of the State of Indiana, made and entered into on this 9th day of August, 2004.

THE SIDWELL COMPANY RUSH COUNTY, IN

By Neal D. Carpenter
Neal D. Carpenter, Executive Vice President

By Dwight Sweet
Dwight Sweet, President of Commissioners

Neal D. Carpenter personally appeared and signed before me as an officer and agent of said corporation this

By Janet Kile
Janet Kile, Commissioner

30th day of July, 2004.

By Marvin Cole
Marvin Cole, Commissioner

Notary

Mildred M. Gredlics

Attest

By Mary Ann Beard
Mary Ann Beard, Auditor

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